

IN THE CLAIMS

Please amend the claims as follows, substituting any amended claim(s) for the corresponding pending claim(s):

Claims 1-5. (Cancelled).

- 1        6. (Previously Presented) A method comprising:
  - 2              executing a program statement of a main program to perform a particular functional operation by
  - 3              identifying a corresponding functional program using a resource identifier and by specifying an entry
  - 4              point into one of the overlay spaces;
  - 5              using the resource identifier to identify a corresponding functional program to perform the
  - 6              particular functional operation;
  - 7              loading the functional program into an overlay space specified by the specified entry point by:
    - 8                  loading the functional program into a specified overlay space assigned to
    - 9                  program functions having similar performing tasks; and
    - 10                 loading the resource identifier into a register and reading the register to call the
    - 11                 functional program into the specified overlay space; and
    - 12                 executing the functional program in the overlay space.

Claims 7-8. (Cancelled)

- 1        9. (Previously Presented) The method of claim 6, wherein executing the functional program also
- 2        includes calling at least one other functional program, in which functional programs are nested for
- 3        overlaying.
- 1        10. (Previously Presented) The method of claim 6, further comprising returning to the main program
- 2        after executing the functional program in the overlay space.

Claims 11-19. (Cancelled)